



METER
ENVIRONMENT

SOIL MOISTURE





TEROS 21

The TEROS 21 is the world's first full-range (-5 to -100,000 kPa) water potential sensor with legendary high accuracy, low cost, and no maintenance.. Each sensor is individually calibrated, giving you a long-term monitoring solution you can trust. The TEROS 21 provides an even more accurate soil moisture picture than measuring water content alone. A water content sensor only shows the percentage of water in the soil, but with a TEROS 21 water potential sensor, you'll know if that water is available to plants and where it will move. Plus, unlike water content, matric potential isn't dependent on soil type, so you can compare moisture between different sites.

KEY FEATURES

- Easy to use
- Improved accuracy from six-point factory calibration
- Tough, long-lasting body
- No recalibration
- Low salt sensitivity
- Affordability

- Excellent range (sensitivity from -5 kPa all the way to air dry [-100,000 kPa])
- Onboard temperature measurement
- SDI-12 compatible

SPECIFICATIONS

- Range: -5 to -100,000 kPa (1.70 to 6.00 pF)
- Resolution: 0.1 kPa
- Accuracy: $\pm(10\%$ of reading + 2 kPa) from -100 to -5 kPa
- Temperature range: -40 to +60 °C, ± 1 °C
- Temp. Resolution: 0.1 °C
- Operating temperature range: -40 °C to +60 °C
- Output : RS-232 (TTL) with 3.6-V or SDI-12 communication protocol